Cool USB 2.0/eSATA to SATA Docking Duplicator Quick Installation Guide

Introducing the *SATA Docking Duplicator*

The *Cool USB 2.0/eSATA to SATA Docking Duplicator* adds extra storage space to your computer and works as a standalone duplicator without PC connection.

Features and Benefits

- Works as a standalone duplicator. No PC connection needed
- Dual-bay design allows duplication of two 2.5- or 3.5-inch (or mix) hard disk drives
- Supports both eSATA* and Hi-Speed USB (USB 2.0) interfaces
- Built-in silent cooling fan effectively extends hard disk drive life
- Supports hard disk drive capacity up to 750GB (2.5-inch) and 2TB (3.5-inch)

> ***Note**: When connected to an eSATA host adapter without port multiplication support, only one hard disk will be recognized.

System Requirements

- PC or Mac computer with an available eSATA or USB port (USB 2.0 recommended)
- Windows® 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / 2000
- Mac OS® X v10.4.8 or later

Package Contents

- *Cool USB 2.0/eSATA to SATA Docking Duplicator*
- Switching power adapter
- USB 2.0 cable & eSATA cable
- Rubber pads
- Quick installation guide

Layout

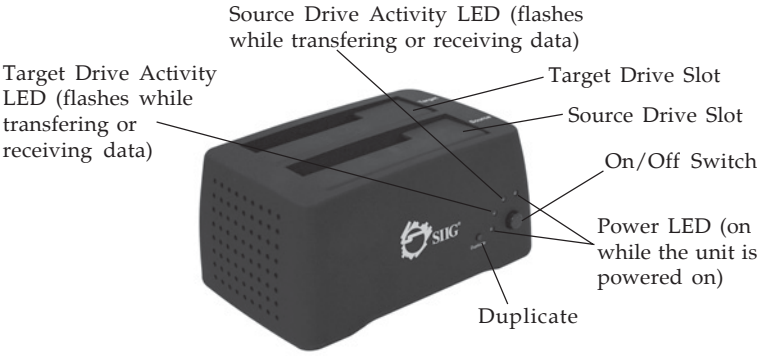
Source Drive Activity LED (flashes while transfering or receiving data)
Target Drive Activity LED (flashes while transfering or receiving data)
Target Drive Slot
Source Drive Slot
On/Off Switch
Power LED (on while the unit is powered on)
Duplicate

Figure 1. Front Layout

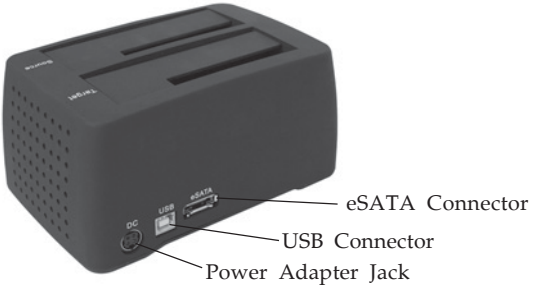

Figure 2: Back Layout

Note: You cannot use one hard drive in both platforms, Windows and Mac. It is not supported

Hardware Installation

1. Boot up the computer.
2. Make sure the SATA connector of the *Cool USB 2.0/eSATA to SATA Docking Duplicator* and SATA hard disk drive are in alignment. Gently insert the hard disk drive(s) into the SATA drive slot of the *Cool USB 2.0/eSATA to SATA Docking Duplicator*.
3. Plug the included switching power adapter into the power adapter jack of the *Cool USB 2.0/eSATA to SATA Docking Duplicator*, then plug the switching power adapter into a reliable power source.
4. Use either the included USB 2.0 cable **OR** eSATA cable to plug the *Cool USB 2.0/eSATA to SATA Docking Duplicator* into the computer.

   Note: Do not connect both USB 2.0 cable and eSATA cable at the same time. Plugging in both cables at the same time may damage the device or computer.

5. Make sure the operating system has fully started before proceeding. Power on the *Cool USB 2.0/eSATA to SATA Docking Duplicator*, make sure that the 2 **Power LEDs** are lit.

Driver Installation

Windows and Mac operating systems will automatically detect and install the drivers for the *Cool USB 2.0/eSATA to SATA Docking Duplicator*. No additional driver installation is needed. **Important**: In order to get high speed USB 2.0 performance, make sure your USB 2.0 controller has the correct drivers installed.

Using the SATA Docking Duplicator

Because of the heat generated, be careful not to touch the hard disk drive(s) while in use. Do not remove or insert a hard disk drive when the *Cool USB 2.0/eSATA to SATA Docking Duplicator* is powered on.

Windows

Connecting to USB

One or two additional drive icons will appear in **Computer** or **My Computer** when the *Cool USB 2.0/ eSATA to SATA Docking Duplicator* is plugged into a USB port. The drive(s) act just like a conventional hard drive in your system.

Connecting to eSATA

eSATA controllers with port multiplication support will add a drive icon in **Computer** or **My Computer** for each hard disk drive installed into the *Cool USB 2.0/ eSATA to SATA Docking Duplicator*, otherwise, only one drive icon will be added. Please consult your system manufacturer for more details.

Disconnecting from USB

Before unplugging the *Cool USB 2.0/eSATA to SATA Docking Duplicator* from the computer, it must first be stopped, by using Windows' **Safely Remove Hardware** utility. Follow the steps for your version of Windows. The same rule applies when turning off the *Cool USB 2.0/ eSATA to SATA Docking Duplicator*. Not following the instructions may result in data corruption, data loss or damage to the hard disk drive.

Windows 7

1. Verify that the **Activity LED** is OFF before proceeding. Click **Show hidden icons**, then click **Safely Remove Hardware and Eject Media** icon located in the system tray.
2. Click **Eject USB to ATAPI Device**, and wait for the confirmation box.
3. At **Safe to Remove Hardware** confirmation box, you can safely unplug or turn off the *Cool USB 2.0/ eSATA to SATA Docking Duplicator*.

Windows Vista

1. Verify that the **Activity LED** is OFF before proceeding. Double click the **Unplug or Eject Hardware** icon located in the system tray.
2. Highlight **USB Mass Storage Device**, click **Stop**.
3. Click **OK**, click **OK** again, then **Close**.
4. You can now unplug or turn off the *Cool USB 2.0/ eSATA to SATA Docking Duplicator*.

Windows XP / Server 2003 & 2008

1. Verify that the **Activity LED** is OFF before proceeding. Double click the **Safely Remove Hardware** icon located in the system tray.
2. Highlight **USB Mass Storage Device**, click **Stop**, **OK**, then **Close**.
3. You can now unplug or turn off the *Cool USB 2.0/ eSATA to SATA Docking Duplicator*.

Windows 2000

1. Verify that the **Activity LED** is OFF before proceeding. Double click the **Unplug or Eject Hardware** icon located in the system tray.

2. Highlight **USB Mass Storage Device**, click **Stop**.
3. Click **OK**, click **OK** again, then **Close**.
4. You can now unplug or turn off the *Cool USB 2.0/ eSATA to SATA Docking Duplicator*.

Disconnecting from eSATA

1. Open Windows Device Manager.
2. Double click **Disk Drives**, right click the target disk, select **Uninstall**, click **OK**. Repeat step 2 for the second hard disk drive, if installed.
3. You can now unplug or turn off the *Cool USB 2.0/ eSATA to SATA Docking Duplicator*.

Mac

One or two additional drive icons will appear on the Mac desktop when the *Cool USB 2.0/eSATA to SATA Docking Duplicator* is plugged into the computer. The drives act just like a conventional hard disk drive in your system.

Disconnecting From Mac

Before unplugging the *Cool USB 2.0/eSATA to SATA Docking Duplicator*, drag the drive icon(s) into the **Trashcan** and wait for the confirmation box. The same rule applies when turning off the *Cool USB 2.0/eSATA to SATA Docking Duplicator*. Not following these instructions may result in data corruption or damage to the hard disk drive.

Duplicate Disk

The Duplicate function creates an exact copy of the source hard disk drive onto the target hard disk drive. This is a standalone function and works without computer connection.

1. Unplug the *Cool USB 2.0/eSATA to SATA Docking Duplicator* from the computer.
2. Install the source hard disk drive and target hard disk drive into the appropriate drive bay. The target hard disk drive must be of equal or larger capacity than the source hard disk drive.
3. Power on the *Cool USB 2.0/eSATA to SATA Docking Duplicator.*
4. Press the **Duplicate** button, the upper **Power LED** will flash for several seconds. When the flashing stops, press the **Duplicate** button again to start the duplication process. All 4 LEDs will light up confirming duplication process is running. Do not turn off or unplug the hard drives during the duplication process.

   Note: Typically, a 1TB hard disk drive will duplicate in 4 hours (70MB/s average transfer rate) and a 500GB hard disk drive will duplicate in 1.25 hours (110MB/s average transfer rate). Your results will vary according to the speed and capacity of your hard disk drives.

5. When the duplication process completes, only the bottom **Power LED** will be on.
6. Power off the *Cool USB 2.0/eSATA to SATA Docking Duplicator* and remove the target hard disk drive.

Windows Disk Management

When installing a brand new hard disk drive or a blank hard disk drive into the *Cool USB 2.0/eSATA to SATA Docking Duplicator*, use Windows' Disk Management utility to prepare it for use. Please visit Microsoft support site at, http://support.microsoft.com/kb/309000, for help and instructions.

Troubleshooting

eSATA

- If you are experiencing problems with eSATA, please make sure to use fully compatible eSATA II ports with full support for port multiplier function and have installed the most up to date drivers.
- Switch on the *Cool USB 2.0/eSATA to SATA Docking Duplicator* only after the system has fully booted up and follow the installation procedure as described in this manual.
- In case the *Cool USB 2.0/eSATA to SATA Docking Duplicator* is not automatically detected by your Windows system, the drivers and computer hardware may not support eSATA hot-plug function correctly. In this case try to update your hardware drivers or to boot with the *Cool USB 2.0/eSATA to SATA Docking Duplicator* and HDD connected and turned on. If this doesn't help, go to Device Manager and select **Scan for New Hardware**.

FAQ

Q1 My *Cool USB 2.0/eSATA to SATA Docking Duplicator* is plugged into the computer, when I press the Duplicate button nothing happens. How can I duplicate my disk?

A1 Power off the *Cool USB 2.0/eSATA to SATA Docking Duplicator*, unplug it from the computer and try again. The duplicate disk function works without computer connection.

Q2 I just duplicated my disk, now they target disk is no longer showing up in My Computer. What happened?

A2 This is normal to protect the data on your target disk. We suggest to remove the target disk and store in a safe place.

Q3 Can I reuse an existing duplicate disk to duplicate another disk?

A3 Yes, you can reuse it. However, any data currently on the disk will be destroyed. Make sure to save your data before proceeding.

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Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at ***www.siig.com*** and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analysts will promptly respond.

SIIG offers a 2-year manufacturer warranty with this product. Please see our web site for more warranty details. If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased it.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

Step 1: Submit your RMA request.

Go to **www.siig.com**, click **Support**, then **RMA** to submit a request to SIIG RMA. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.

Step 2: After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping. Ship the product to the following address:

  SIIG, Inc.
  6078 Stewart Avenue
  Fremont, CA 94538-3152, USA
  RMA#: _____

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading manufacturer of IT connectivity solutions (including Serial ATA and Ultra ATA Controllers, FireWire, USB, and legacy I/O adapters) that bridge the connection between Desktop/ Notebook systems and external peripherals. SIIG continues to grow by adding A/V and Digital Signage connectivity solutions to our extensive portfolio. All centered around the distribution and switching of A/V signals over CAT5/6, these products include matrix switches, distribution amplifiers, extenders, converters, splitters, cabling, and more.

SIIG is the premier one-stop source of upgrades and is committed to providing high quality products while keeping economical and competitive prices. High-quality control standards are evident by one of the lowest defective return rates in the industry. Our products offer comprehensive user manuals, user-friendly features, and most products are backed by a lifetime warranty.

SIIG products can be found in many computer retail stores, mail order catalogs, and e-commerce sites in the Americas, as well as through major distributors, system integrators, and VARs.

PRODUCT NAME

Cool USB 2.0/eSATA to SATA Docking Duplicator

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

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Fremont, CA 94538-3152, USA
Phone: 510-657-8688

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